# Next Stop Azores-Change for Portugal and All Points East

## **Aviation Gives New** Importance to

IRMEN are preparing to make the Azores Islands the aerial junction of the future. They predict that this garden spot of the Atlantic, with its mild climate and other health giving qualities, will become the stopover for all overseas travel by airplane and dirigible. They point out that the exploit of the United States navy in effecting a crossing has virtually put the islands on the map, as far as the general public is concerned; that for many years problems of construction will limit the overseas route to the Azores, where fuel and other sup-

Inventors of the flying boats are the new world with the old.

and 800 miles from Portugal.

Another is the non-stop route craft. between Newfoundland and Ireland, miles between nearest coast lines another since that time. The Eng- islands he would find a great cloud green. and appropriate in every way for the international mail service.

by far the most important of all, so far as the travelling public is concerned, because each terminal profacilities, while the islands themselves constitute a junction whereby passengers may transfer for any the continent. Here also will be a twenty-four-hour memory or less. A huge repository for the dirigifound service and repair stations.

they are pursuing, at the same time umns on the first page. learning their location and the nummeteorological data.

of aircraft in the United States is Jones's locker. interested in a corporation to pro- Mr. Wellman started other things ing helplessly in the course of fast in the airship-exploration operations. Like a Cigar

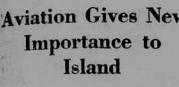
nicety that is nothing if not provi- others had died in venturing.

Rising to a height of more than 7,000 feet-as in the case of Picoand at the lowest 350 feet above sea level, as on the island of Corvo, the islands form an oasis in a desert of water and mist and heavy banks of the horizon to a few feet for the balloon of its suoyancy. anxious aerial pilot and his navi-

to furnish them with correct weather reports, radio stations and rescue ships in case of accident to

## Before Columbus

And a stopover at the Azores will not be in the nature of a hard-

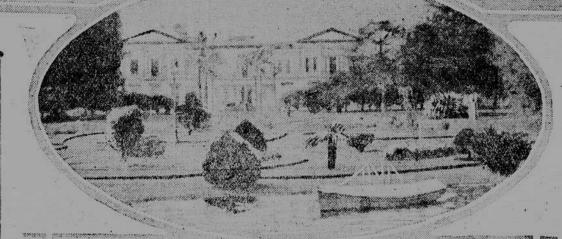


The damaged NC-3 at Ponta Delgada plies may be replenished. emphatic in their statements that Americans, these islands have long lish ships coming up from India not for many years will this kind figured in the eastern Atlantic were often compelled to put up a

were occupied by the Portuguese steamship. One is that taken by the navy in and settled between 1431 and 1461 Boats leaving France for Amerits epochal flight from Newfound- and during the next century were ica take the Azores route on learnland to the Azores, thence to Lis- terminals for the Spanish fleets ing of a storm. Ships within 1,000 bon, Portugal. Roughly, the Azores coming from America. Early ocean miles turn and run for the Azores are 1.200 miles from Newfoundland traffic required them for ports, both at the first sign of trouble, either for food and water supplies and for aboard ship or among the elements. opportunities to repair storm-tossed

of craft be able to make a non-stop traffic. They appear on incomplete running fight with their maritime flight with passengers and baggage tury, nearly 100 years before Spanish, in turn, were harassed by maps of the early fourteenth cen- enemies, the Spanish. And the the entire 2,000 miles, or slightly Columbus discovered America. the English while returning from less, between Ireland and New- Phænician coins discovered on the the New World. The Azores, with foundland. They place their fingers islands strengthen the belief that their peaceful agricultural settlers, on three important air lines uniting they were visited by the Cartha- have remained a junction, even ginian traders. At any rate, they throughout the development of the

What would a tourist find, for



One of the many country estates

example, if his 'plane dropped him of dense, gray mist resting on the Veering to the southeast toward would be a broken line extending ity is a source of discomfort if one have a destiny as replete with ad-English sea rovers have also at Ponta Delgada, the capital of horizon. Nearer it becomes a redan approximate distance of 2,000 used the islands for one purpose or St. Michael's? On approaching the dish brown dotted with mouldy first as a formal white line, or, if of white splotches, small conical mountain slopes. the gaze could pierce the cloud, it hills of bright green and stiff white The thermometer has never been

Mariners-Now for Airmen

Long a Haven for

known to go below 48 degrees in January, the mid-winter month, and it never has risen above 80. The average is 72 the year round.

### The Weather is Always Mild

Some of the finest homes in the world have been built there by wealthy and often titled Continentals, principally Portuguese. In the farming districts (and there are large farms among the various islands) many of the natives wear costumes - entirely red - short jackets, vests and knee breeches, with gaiters buttoned over the feet, which are often bare. When anything at all is worn on the soles it usually consists of leather sandals.

These people are of retiring disposition, rarely visiting the communities for fear that some one will laugh at them and their dress. In the towns, however, German, Enghouses edged with black trimmings. lish, Portuguese and American com-The white lines would become mercial visitors have introduced walls the next instant, disclosing modern modes of dress and influorange gardens, and the passenger enced social and business life.

would drop into a little harbor clut-The natives do not overwork, tered with tramp sailing ships of a unless in caring for the many half-dozen nations. The harbor is travellers who come over the a busy one, far superior in com- sea in search of the health they mercial aspect to the town itself, always find, either climbing the which has been maintained in all its volcanic slopes or bathing in the primitive state by the early Portu- warm baths of Furnas. guese settlers. The admixture of

As for scenery, where will one Moorish and Flemish has not served find pine and elm trees growing to quicken the pace of the com- in the same neighborhood with munity, nor that of any other in oranges, bananas, citrons and pomethe island groups, for that matter. granates? Long known only as the The clouds are most dense in the little islands where there are no morning. Toward noon the humid- snakes, the Azores are believed to

Community washing in an

Azores village

## And the other is the New York, Azores and Plymouth, England, line, Azores and Plymouth, England, line, by fav the west important of all the state of the line of the west important of all the line of the

of the Atlantic Coast countries on City and the rest of the world has known bounding main.

Wind drift will be overcome with in 1910 he attempted a transatlantic an inlet and the sea. A crew which the gradual perfection of the wire- crossing in a dirigible. Clippings appreciated death in exchange for less direction finder, by which the from newspapers in the files a bit adventure and fame as much as did pilot and navigator may communi- yellowed around the edges and dated the master of the aircraft was recate with ships and land stations between October 15 and 19, 1910, cruited. Melvin Vaniman, famous and determine the exact course give him between two and four col- as an engineer and balloonist, who,

ber of degrees they have drifted. Washington Heights, and five com- of feet in the air, was selected as Weather conditions can be met with panions were suspended over the chief engineer. J. Murray Simon adequate reports, and the govern- Atlantic Ocean in a dirigible bal- was the pilot. A daredevil youth ments of the United States, loon, wondering whether their desti- named Jack Irwin, an Australian, One of the larger manufacturers be Europe, the Azores or Davy and John Aubert as an engineer

be the weather; the most dangerous tude; in 1898-1899 he started again, proceeding would be to establish a and discovered many new islands. swept away by a storm, to go drift- during the spring of 1906 he started

liners and prove a deadly menace The America was born, built and blown in 1909. On August 15 of And right here is where the that year the pioneer was prepared Azores fit into the scheme with a to fly with three companions to where

## "Never Out"

For four years Mr. Wellman had hydrogen gas. worked toward and planned for this | Eighty tons of sulphuric acid and, versal joint, giving it the greatest | ship of the sky rose fifty feet in the | nouncing it had picked up the heroic trip. He was certain that every- sixty tons of iron turnings com- flexibility. When the sun heated air and floated off toward Europe, crew from a very sick balloon. thing was in readiness for a suc- bined in tanks generated the con- the gas, the theorists contended, the The trailing chain of tanks comcessful flight. Two automobile tents, which was twelve times lighter ship would have a tendency to prising the equilibrator clattered The Rescue clouds clouds that rise off the sledges were to roll beneath the than air. When full the gas weighed water in the morning and blot out dirigible, to continue the party on 2,150 pounds and displaced air everything from view, narrowing its way if the thin air deprived the weighing 25,800 pounds.

Already navigators are at work miles away from its point of begin- three thicknesses of cotton and silk, on instruments to eliminate these ning. Because Mr. Wellman was gummed together with rubber, 1,800 gallons. difficulties. They count on the not killed he merely regarded his weighing 4,850 pounds, and reduc-Azores with all its mists and clouds failure as a temporary setback. The ing the carrying power of the ship Salvation Army recently described to 18,000 pounds.

he considered and rejected numer- tubing and inclosed in rubberized engine.

vides transit and communication HERE is an elderly, quiet and he determined to follow it in gentleman living on Wash- the America. Word swept over ington Heights who is con- all the continents that it would be clusive proof that New York the "America first" over the well

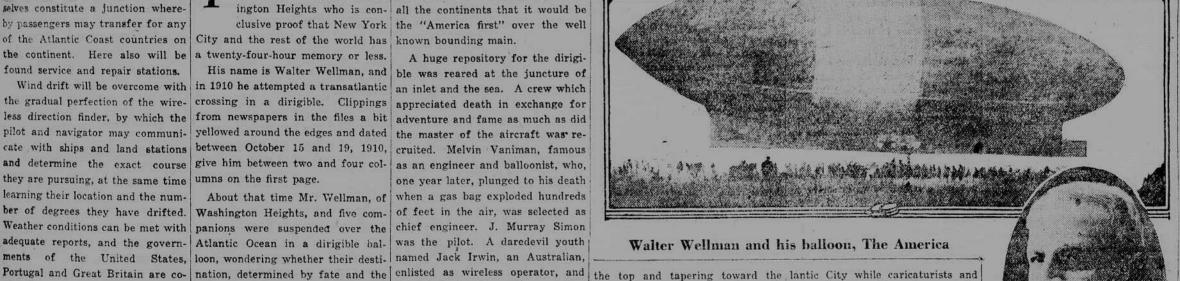
> His name is Walter Wellman, and ble was reared at the juncture of one year later, plunged to his death About that time Mr. Wellman, of when a gas bag exploded hundreds paratus was working badly, would young man, as assistant engineer,

On September 3, 1910, the airmote transatlantic travel by air- before he started on his flight over ship was practically ready to take plane. The idea is to establish the Atlantic from Atlantic City on to the ozone for the European jourscows or barges at various points in October 15, 1910. In 1879 he started ney. Its destination was marked mid-ocean whereby a 'plane requir- "The Cincinnati Evening Post"; in out no more definitely than Enging fuel could alight and secure its 1894 he started for the North Pole land, France or Spain, and anysupply. The only handicap would and reached 81 degrees north lati- where in these countries, as it was was installed for cooking purposes. gathered to where the ship strained understood by the crew that the mechanical propulsion of the ship supply barge and then have it reaching 82 degrees north latitude; could be overwhelmed by any great or near great ocean air currents.

in shape to a cigar which aeronautics has produced. The gas bag features. was 228 feet long, its greatest diameter was 52 feet, and its con- regulate the upward and downward before the restless rolling of the far away, he wirelessed, in effect. tents were 345,000 cubic feet of course of the ship. It was composed ship. The army of strong men be- On Tuesday morning the Royal Mail

The contents were well clothed. The America got about thirty-two The balloon itself was composed of

wide." It was 156 feet long, made fairs and one ten horsepower ser- "Going northeast by east; still in



was 75 feet long, 18 feet in transoceanic travel. diameter, and divided into ten com- A few wheelchairs were creaking partments. Each compartment con- along the boardwalk at 7 o'clock on tained about 125 gallons of gaso- Sunday morning, October 15, when

poses-Mr. Wellman's trip was to treeze. Nearly one hundred policeequilibrator, or stabilizer, was atthe giant cigar steady. The crew Incoming steamers reported no sign of people on her deck looking up at darkness was disposed of. proved the undoing of the venture. but to the thousands who viewed They're Off The ship was the nearest thing it as the ship rested twenty feet in "We are going for a trial," Mr. theoretical equilibrator was not

> ascend. But the stabilizer, normally and tinkled before the playful atfloating on the surface of the sea, tacks of the small waves and rattled hundred miles off Cape Hatterss, caught and made fast aboard the Enlarging on the commercial the total gas supply of the craft breathless minutes and passed the

were placed one on each side of each bulletin board.

operating in providing correct winds because the "stabilizing" ap- Albert L. Loud, another careless bottom, ending in a wooden walk columnists crudely and gracefully 18 inches in width. The gasolene hinted that Mr. Wellman might be tank, welded and of drawn steel, contemplating vaudeville instead of

> announcement was made that the Storage batteries, fed by the en- America would depart that morning, gines of the craft, provided current the winds concurring. Like the news for electric lights and a complete of divorce proceedings, the tidings telephone system. A gasolene stove swept the resort. Thousands Largely for experimental pur- at its ropes in the slightly freshed

was one of the most absorbing is good, we are going up and over straggling along like a poor relative

reserve supply of gasolene, making thing. It returned after a few dirigible's flight. word that Mr. Wellman was going the craft had proceeded 140 miles would take to the lifeboat." quite comfortably to Europe.

The crowd did not break up and unused. At 9 o'clock Sunday night cate task of launching the boat and cally unlimited. The engines were not, quite scatter to its round of assorted the wind shifted into the northwest its narrow escape from destruction. "Wireless to-day could do 150 words naturally, of as vital importance as pleasure. The wireless station was and took the balloon in that direc- Released from the weight of the life- a minute simplex and 800 words a minhis feelings in its campaign phrase, The car, or as the professionals they are to the 'planes now daring the hub of a nervous, inquiring tion at twenty-five miles an hour, boat and crew, the thousands of ute duplex. It would require but a "A man may be down, but he's never of the air game call it, the nacelle, the journey. They were three in throng. After three hours came the with the equilibrator doing little dollars' worth of America melted very small mechanical improvement to out." Certain it was that Mr. Well- was "all first cabin and many yards number, two eight horsepower af- first message from the America. equilibrating, but everything else. into the distance.

be in the interest of science-an men, firemen and life guards held crew and craft still remained silent. of the dirigible. Hope was old on Monday night when a brief wireless from Wellman announced that the the air for more than a month it Wellman shouted, "and if the going proving practical at all. It was and straining the big craft in a man-Its purpose was automatically to The crowd instinctively recoiled ner which made Europe seem very of thirty hollow steel cylinders con- low released their hold on the ropes. steamship Trent bobbed up before nected with each other on a uni- In the arms of a crisp zephyr the the world in a prominent rôle by an-

but the airship had covered, in all ship, but a strong gust of wind possibilities of wireless, Mr. Isaacs and hold the 'plane to a respectable Only a tiny motorboat buffeted directions, over one thousand miles, parted it and blew us away. The said: level. Incidentally, the cylinders of the breakers and followed in the breaking and making the world's ship followed us, undiscouraged, but "A cable required a very big capital the equilibrator were filled with a uncanny shadow cast by this new record for time and distance of a it was evident that this plan would outlay, its cost of maintenance was

east by northeast, with the motors Mr. Wellman described the deli-

During the early months of 1909 of the highest grade of drawn steel vice engine. The four propellers fine shape," the crowd read on the heavy seas which had been kicked was born in Mentor, Ohio, November up by the stiff breeze," said Mr. 3, 1858-passes his years on Wash-Sunday afternoon waned and no Wellman, "it jerked shockingly on ington Heights and reads of overto overseas passengers. Though ous projects, until his active mind silk and cotton canvas. The tubing For forty days the above de-

the strain and threatened the entire "It was a dreadful night for the men aboard the ship. There was much to be done to ease the strain

up a rolling motion which added to

mocks expecting that they would awake to find themselves in the sleep, and they did so." motors were started and the course

man wired that night:

"The weather turned cold and the "Assuming that a man was passing change of temperature so affected over the town of Guildford; from the the lifting power of the gas in the moment he traversed the region over great bag that we found it necessary which this beam was playing he to jettison more of the gasolene and would receive the signal, 'This is Guildpart of the machinery which had ford,' and would continue to receive

lights of a steamship which after- Forest he would be told, This is ward proved to be the Trent. Irwin Windsor Forest,' and when he came to signalled with a lamp by Morse code his aerodrome a beam would tell him 'Stand by, we need you.' She soon 'This is Hendon Aerodrome.' In that neared us and in looking down from way he thought that one of the greatthe America we could see hundreds est dangers to pilots in fog and in

"As the Trent approached us we were 300 feet above the sea, but it being projected into the skies, so that was apparent we could not hold that in whatever part of the world an aeroaltitude long. When she came beneath us one of our crew slashed continuously and automatically where the canvas covering of our car and it was. It would be as easy to learn in owered a line, which the men aboard the skies where they were as in a railthe Trent endeavored to catch, Just way train when they looked out of the when it appeared probable that the window to see the name of a station. line would be caught, a gust of wind "Similarly these beams could be whirled us away, carrying the line equipped to lightships or to buoys in out from the steamer. "Many times the line was lowered,

when the wind would catch us and veloped pilots would no longer lese

little known to the majority of wandered out across the Atlantic was adjusted in trusses, wide at scribed America hung about At- day slipped by and Wellman and his ica. Under this stress the ship set plished by other daring souls.

destruction of the craft if long con- PEAKING at a luncheon of the Aldwych Club recently. Godfrey Isaacs, managing director of the British Marconi and all did everything possible. At Company, told of a new plan his times some would become exhausted company had for enabling aviators and one by one the men would sleep to tell where they were. After menfor a time. They went to their ham- tioning the wireless direction finder, Mr. Isaacs said:

ocean, but all they wanted was to "A further development had given them a new transmitter, which would On 3 o'clock Monday morning the project into the air a wide divergent was set for the Azores. But the without the light, which would extend wind played another scurvy trick over any area required, or, if it was and came at the ship from the northeast, the pilot this time determining to make for the Bermudas, some small place, and those beams The motors were again shut off. Af- would convey to the men in the sky ter a trying day Monday Mr. Well- automatically the name of the place they were passing over.

been damaged, in order to keep that signal so long as he was over "It was 5:07 o'clock this (Tuesday) morning when we sighted the lights of a standard way, if he was passing over Windsor

"It required very little imagination "As the Trent approached us we to see, a little while hence, some thou-

fixed and defined positions, so that even when passing over the sea one would know exactly where one was. each time there was a scramble, When that position of things had de-

not do. We gave the signal for her very considerable, and its capacity After passing Nantucket Island, to stand by to pick us up, for we for traffic was limited. The cost of a and the capacity for traffic was practi-

double and quadruple that number of "As the lower end of it rode the So the quiet old gentleman-he words transmitted by wireless. He was quite satisfied that so soon as wireless traffic needed the greater improvements would be introduced, and they would get something in the neighborhood of 600 words a minute."